



PCT/AU2004/001001

**PRIORITY
DOCUMENT**

SUBMITTED OR TRANSMITTED IN
COMPLIANCE WITH RULE 17.1(a) OR (b)

Patent Office
Canberra

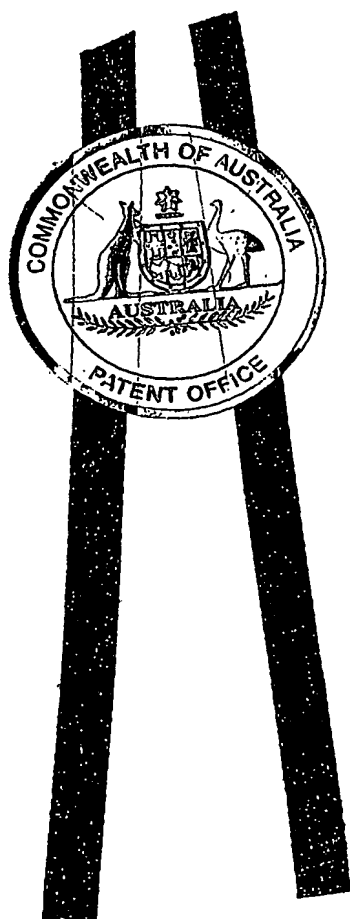
RECEIVED

06 SEP 2004

WIPO

PCT

I, LEANNE MYNOTT, MANAGER EXAMINATION SUPPORT AND
SALES hereby certify that annexed is a true copy of the Provisional specification
in connection with Application No. 2003903877 for a patent by BRYAN JAMES
LARKIN as filed on 28 July 2003.



WITNESS my hand this
Eleventh day of August 2004

LEANNE MYNOTT
MANAGER EXAMINATION SUPPORT
AND SALES

BEST AVAILABLE COPY

APPLICANT: BRYAN JAMES LARKIN
11 PRISTINE COURT
STEPHENS
QUEENSLAND 4226

AEROSOL SPRAY CAN WITH INTERNAL MAGNET DRIVEN IMPELLER

TECHNICAL FIELD

THIS INVENTION RELATES TO THE FIELD OF AEROSOL SPRAY CANS.

BACKGROUND ART

IT IS RECOGNISED THAT AEROSOLS THAT HAVE PAINT OR ADHESIVE INSIDE HAVE TO BE MIXED FOR A LONG TIME BY SHAKING THE CAN WHICH MOVES A BALL INSIDE TO MIX THE PROPELLANT AND LIQUID TO BE SPRAYED. WHEN SPRAYING PAINT AND ADHESIVE OR ANY OTHER LIQUID WHICH IS THICK LIKE FOAM YOU MUST STOP SPRAYING TO PREPARE THE JOB FOR A PERIOD AND THEN COMMENCE SPRAYING AGAIN BUT THE LIQUID HAS SETTLED TO THE BOTTOM OF THE AEROSOL AGAIN SO YOU HAVE TO START SHAKING THE CAN AGAIN TO MIX THE PROPELLANT AND LIQUID. A LOT OF THE TIME IS THEN SPENT TRYING TO CLEAN BLOCKED NOZZLES BECAUSE THE MIXTURE IS TOO THICK TO SPRAY.

DISCLOSURE OF INVENTION

THIS INVENTION IN ONE ASPECT RESIDES IN AN AEROSOL SPRAY CAN THAT HAS AN IMPELLER INSIDE WHICH HAS MAGNETS INSERTED INTO IT. UNDER THE CAN IS A FLYWHEEL WHICH ALSO HAS MAGNETS INSERTED INTO IT. THIS FLYWHEEL COULD THEN BE DRIVEN MANUALLY WITH A CRANK OR BY WINDING UP A SPRING AND RELEASING IT. THE CAN COULD ALSO BE MANUFACTURED TO FIT INTO A SEPERATE BASE UNIT WHICH HAS A BATTERY AND ELECTRIC MOTOR WHICH IS ACTIVATED BY THE CAN BEING INSERTED TRIGGERING A SWITCH TO START THE MOTOR WHICH WOULD DRIVE THE FLYWHEEL WHICH WOULD TURN THE IMPELLER AND MIX THE PROPELLANT. BY USING MAGNETS TO CONNECT THE FLYWHEEL AND THE IMPELLER THERE IS NO NEED FOR A DRIVE SHAFT TO ENTER THE CAN VIA A SEAL WHICH COULD LEAK UNDER HIGH PRESSURE.

BRIEF DESCRIPTION OF DRAWINGS

IN ORDER THAT THIS INVENTION MAY BE MORE EASILY UNDERSTOOD AND PUT INTO PRACTICAL EFFECT REFERENCE WILL BE MADE TO THE DRAWING ACCOMPANYING THIS DOCUMENT WHICH SHOW THE PREFERRED EMBODIMENT OF THE INVENTION, WHEREIN THE FIGURES SHOW THE UNIT HAVING A SEPERATE BASE UNIT WITH BATTERIES AND AN ELECTRIC MOTOR DRIVING THE FLYWHEEL AND IMPELLER.

IP Australia
Documents received on:

28 JUL 2003

Brisbane

Batch No:

BEST MODE

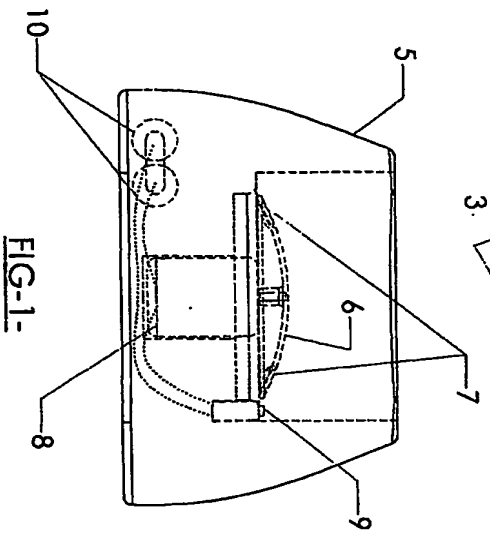
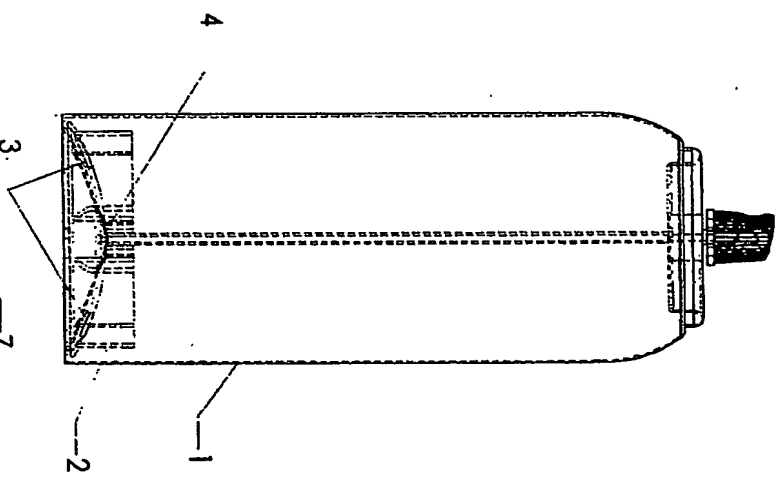
IT WILL OF COURSE BE REALISED THAT WHILST THE ABOVE HAS BEEN GIVEN BY WAY OF AN ILLUSTRATIVE EXAMPLE OF THIS INVENTION, ALL SUCH OTHER CHANGES OR MODIFICATIONS AND VARIATIONS HERETO, AS WOULD BE APPARENT TO PERSONS SKILLED IN THE ART, ARE DEEMED TO FALL WITHIN THE BROAD SCOPE AND AMBIT OF THIS INVENTION IS HEREIN SET FORTH.

DATED THIS 28th.....DAY OF July.....2003

BY



BRYAN JAMES LARKIN



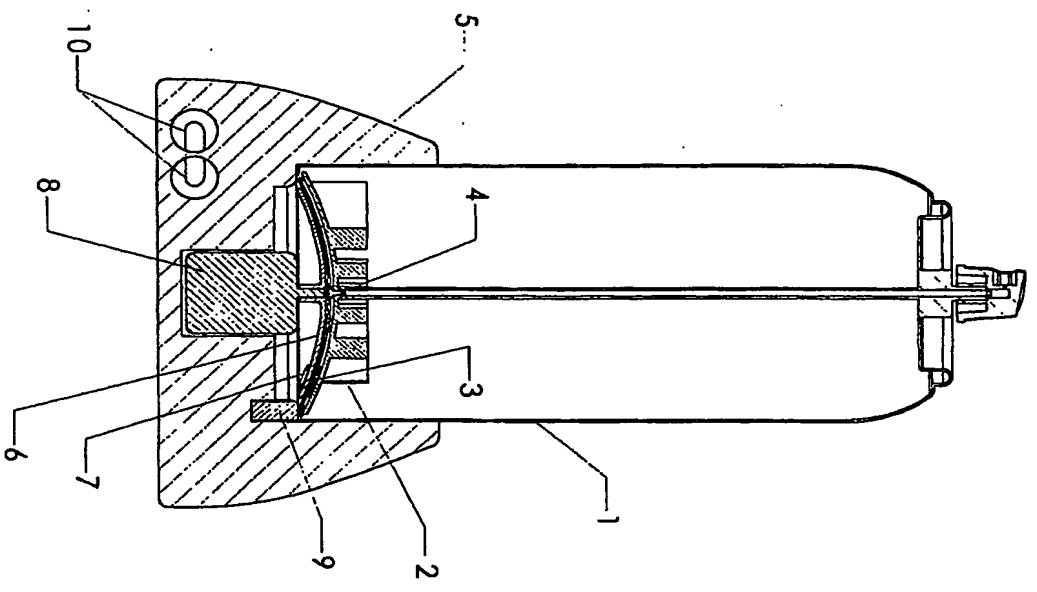


FIG-2-

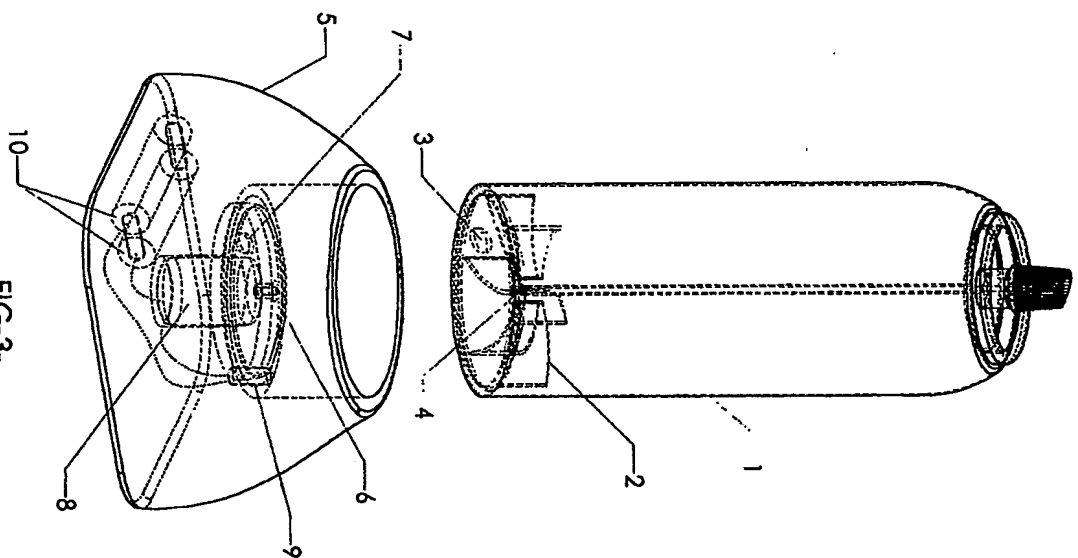


FIG-3-

1/3

2/3

3/3

- 1 - AEROSOL CAN
- 2 - IMPELLER
- 3 - DRIVEN MAGNETS
- 4 - SHAFT
- 5 - BASE
- 6 - FLYWHEEL
- 7 - DRIVE MAGNETS
- 8 - MOTOR
- 9 - SWITCH
- 10 - BATTERIES

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.